

## Electroporation

1. Make [S.O.C. Broth](#)
2. Thaw, on ice, XL1 EC cells (40µL)
3. Add DNA (1-3µL) to cells, flick to mix, let sit 1min on ice
4. Transfer cells to electroporation cuvette
5. Electroporate cells (~5ms)
6. Add 1mL [S.O.C. Broth](#), pipette to mix, transfer to culture tube
7. Incubate @ 37C shaking for 1hr
8. Plate 100µL of 1:100 and 1:1000 dilution onto appropriate plate
9. Save tube in 4C

## S.O.C. Broth

Volume	Name	Concentration
1 mL	Super Optimal Broth	-
10 µL	MgSO <sub>4</sub> (10x)	1000 mM
10 µL	MgCl <sub>2</sub> (10X)	1000 mM
20 µL	Glucose (20X)	1000 mM